

The Porthole

October 2018



United States Power Squadrons
America's Boating Club
Come for the Boating Education...Stay for the friends

Ann Arbor Sail and Power Squadron
A unit of United States Power Squadrons in District 9

<http://www.aaspsq.org/>

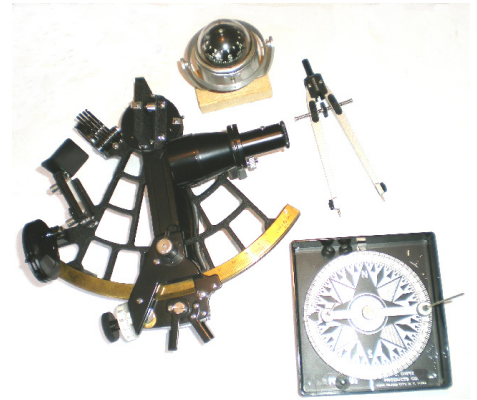
Ann Arbor Sail and Power Squadron

General Meetings are usually held each month, Sept. thru June
See page 3



Boating Education since 1965

53 YEARS SERVING
THE BOATING PUBLIC



CONTACTS

Visit our web site
www.aaspsq.org/

| | | |
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Thank you Shih-Chieh Yin for your design of front page of the Porthole

Volunteers are welcome and needed for the following opportunities:

Porthole Staff - Articles, printing and mailing copies, e-mail list and distribution.

Education Staff - Ch. Marine Electronics, Ch. Instructor Development, Ch. Engine Maintenance, Ch. Teaching Aids, Ch. of various seminars.

Misc. Staff - Ch. Member Involvement, Ch. Operations Training. Advertising Staff for public courses and programs.

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We thank Bradley and George Schwartz and Evrard Ohou for help with computer consulting.



Ann Arbor Sail and Power Squadron
Meeting Monday 22 Oct. 2018
Carlyle Grill 3660 Jackson Rd.
Ann Arbor Michigan 48103
Lat. 42° 17.1' N, Long. 83° 48.2' W

Sail and Power Boating Education

www.aaspsq.org/

We will meet at the Carlyle Grill for our Monthly General Meeting on October 22, a week later than usual. We will meet at 6 P.M. for dinner. If you can't come for dinner please come at 8 P.M. for our meeting and entertainment. For dinner, order from the menu and pay your own bill. Please call Jeannine Buchanan 734-971-6589, so we can have tables set up. Visit Carlyle Grill web site to see their menu. <http://www.carlylegrill.com/>



Richard Buchanan

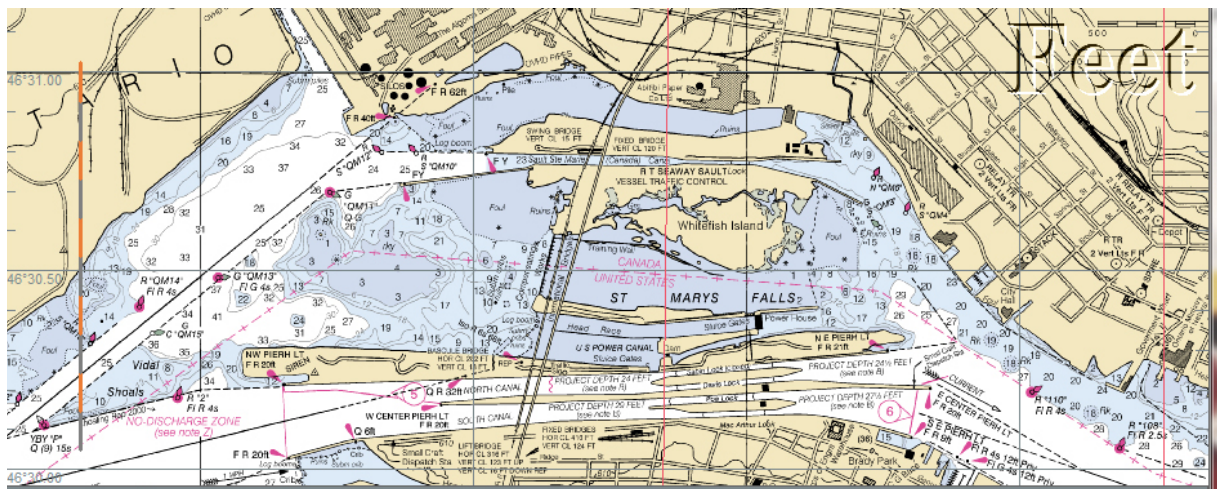


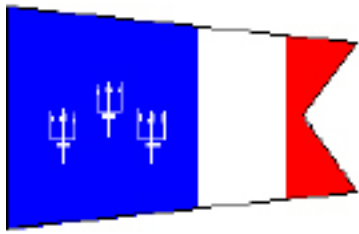
Carlyle Grill

Our October program is *Maintaining Order on the Open Waters of our Great Lakes* presented by **Richard ("Dick") H. Buchanan**, P/C Bob's brother. Dick's career was in plant management for General Motors. Following retirement from GM, his avocation and passion became writing about our majestic Great Lakes. Dick is a staff writer for Great Lakes Pilot, a periodical devoted to the Lakes area. Readers enjoy his charismatic and often amusing style; for example his article describing our Bristol Bay Cruise was titled "A most unusual classroom."

Dick has accepted a writing assignment from the USCG's Sector Soo which incorporates Vessel Traffic Service (VTS) at Sault Ste. Marie, Michigan, known to boaters as "Soo Traffic." Dick plans to include a discussion of the role of VTS in safety and the importance to the Great Lakes economy.

Soo Locks





P/C Bob Buchanan, P



The Ann Arbor News headline story for July 5, 2018 read "643 people drowned in the Great Lakes since 2010. 637 did not wear life vests." In other words, essentially none of the drowning victims wore Personal Floatation Devices (PFDs). The data was collected by the Great Lakes Surf Rescue Project. The data collected includes only the open waters of the Great Lakes, not river or inland lake events.

Lake Michigan consistently reports the highest proportion of drowning, about 46%. Although the number decreased in 2014 and 2015, the Project attributed this to an unusually cool summer.

Overall, the annual number of drowning has increased from 2010 to 2017 in spite of educational programs. At the federal level, the U.S. Bureau of Transportation has reported that PFDs were not worn in 89% of drownings. Further, the number keeps increasing each year.

The Michigan regulations are clear, do not need to be repeated here. A PFD 1) must be in good condition and 2) must be readily available. During our sailing days on the open waters of Lake St. Clair, Jeannine and I always held an instruction section with an examination if we had friends aboard regardless of whether they had previously sailed with us. Boating accidents give all of us a bad name.

Finally, Jeannine and I have sailed the North Channel, Lake St. Clair, Caribbean waters for almost 20 years. Although we had many interesting moments, usually my fault, we never had an emergency due to a complete commitment to safety.

Please come to our October meeting and hear about Great Lakes freighter scheduling.

Bob Buchanan
AASPS Assistant to the Executive Officer



Port Huron to Detroit. A high shipping density area of the Great Lakes



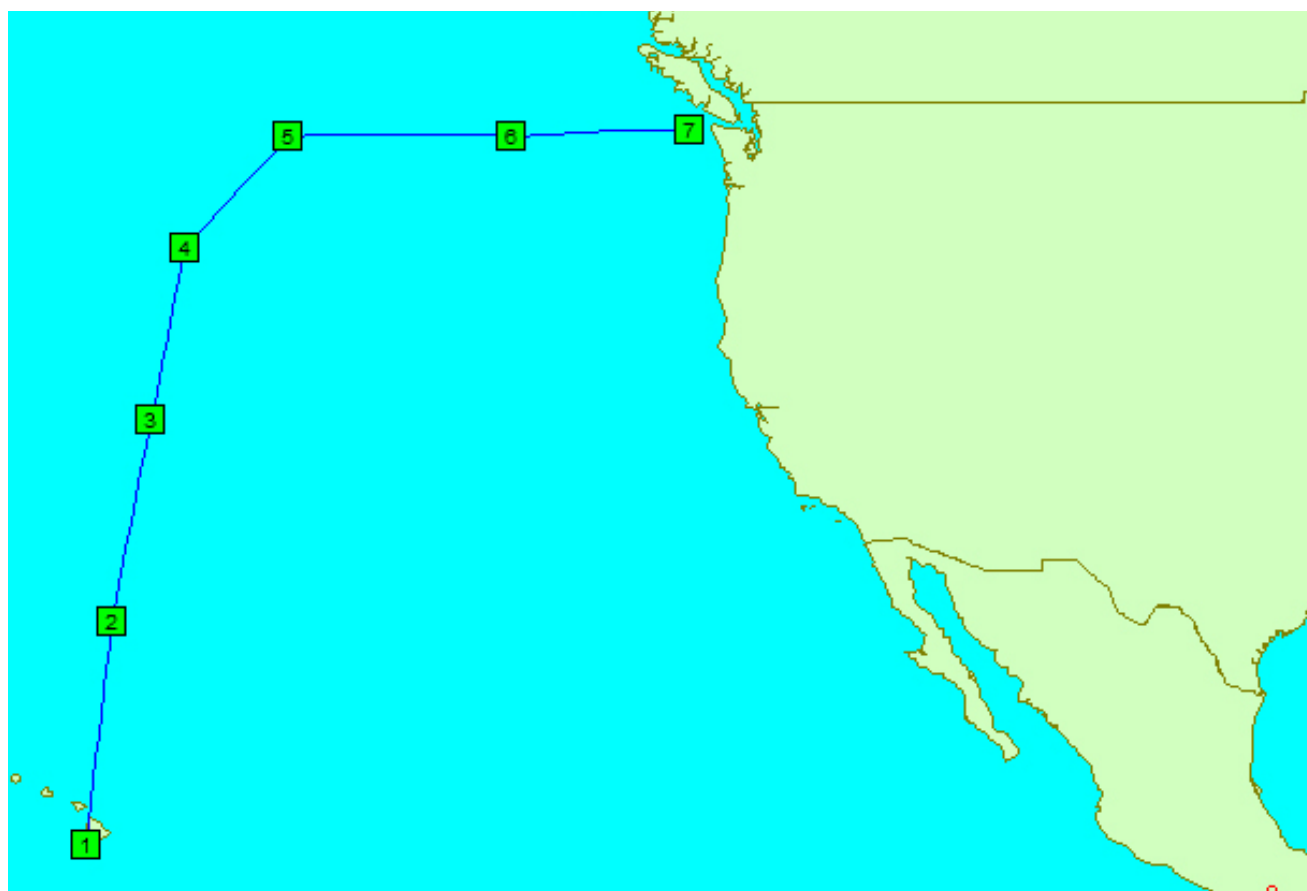
Commander's Message

Cdr. Ron Schwartz, SN



Atlantic cruising. If you are taking your boat into the Atlantic Ocean there is a network of radio communications to be aware of. Cruising World magazine for 2018 August/September, page 24 describes it. There is more information at cruisingworld.com/1808net

Why have a USPS squadron in Ann Arbor? To offer the great courses that USPS volunteers have developed. The navigation and weather courses are really fun to take and teach. I suspect that those USPS members that want to dissolve their squadrons have not experienced the vicarious pleasures of taking the really fun USPS courses -- Celestial Navigation and Weather. USPS is getting a little frayed around the edges but there is still lots of power and good potential at the core.



The USPS Navigators course is a fun course. It teaches celestial sights of the sun, stars, planets, ocean passage planning with a program called "Visual Passage Planner 2" (VPP2) and free digital ocean charts with OpenCPN. The example above shows VPP2 for a passage from Hawaii to Washington and a report of the distances and sailing conditions for a heavy 45' sailboat. For a fun, vicarious, experience take the USPS Navigators Class. The class requires internet access.

Report of the above planned Pacific Ocean cruise from Hawaii to Washington using the Visual passage Planner taught in the Navigators Class

Waypoints:

| Waypoint # | Latitude | Longitude |
|------------|-------------|--------------|
| 1 | N18° 57.22' | W155° 59.09' |
| 2 | N29° 5.90' | W154° 40.54' |
| 3 | N37° 33.64' | W152° 42.72' |
| 4 | N43° 59.74' | W151° 4.54' |
| 5 | N47° 51.79' | W145° 50.36' |
| 6 | N47° 51.79' | W134° 42.72' |
| 7 | N48° 4.93' | W125° 52.54' |

General Information:

| General Information | Data |
|------------------------------------------|-----------|
| Calculated Great Circle Distance: | 2644.3 NM |
| Calculated Rhumbline Distance: | 2645.0 NM |
| Actual Distance Traveled due to Beating: | 2644.8 NM |
| Elapsed Time to Complete Passage: | 19.7 Days |
| Fuel Consumption: | 0.0 Units |
| Average Boat Speed: | 5.6 Knots |
| Boat Speed Made Good: | 5.6 Knots |

Apparent Wind Angle Information:

Numbers indicate percent of leg sailed at that column's relative wind angle. Relative wind angle given is the direction from which the wind comes.

| Leg # | Beating (Apparent wind 0° to 45°) | Tight Reaching (Apparent wind 45° to 112.5°) | Broad Reaching (Apparent wind 112.6° to 157.5°) | Running (Apparent wind 157.6 to 180) |
|-------|-----------------------------------|----------------------------------------------|-------------------------------------------------|--------------------------------------|
| 1 | 12% at 7.6 Knots | 65% at 15.2 Knots | 23% at 4.3 Knots | 0% at 0 Knots |
| 2 | 0% at 0 Knots | 34% at 12.0 Knots | 32% at 12.1 Knots | 34% at 11.1 Knots |
| 3 | 0% at 0 Knots | 30% at 13.9 Knots | 70% at 14.1 Knots | 0% at 0 Knots |
| 4 | 0% at 0 Knots | 0% at 0 Knots | 0% at 0 Knots | 100% at 14.4 Knots |
| 5 | 0% at 0 Knots | 0% at 0 Knots | 55% at 15.0 Knots | 45% at 15.7 Knots |
| 6 | 0% at 0 Knots | 0% at 0 Knots | 8% at 14.9 Knots | 92% at 12.0 Knots |

See other leg by leg reports for more detailed information

Pictures from our September meeting



P/C John Barr, AP Lt/C Marlene Barr Lt/C John Barr, Jr.



P/C Bob Buchanan, S

Lt/C Jeannine Buchanan



Cdr. Ron Schwartz, SN



Lt/C Peggy Moller and Freddy Ohou

Boating Education

Basic Boating Course. Our ABC class started Sunday, 7 PM, October 14 at St Joe's Hospital class rooms. 8 weeks, 2 hours per week. \$30 for members, \$45 for nonmembers. We have 5 students. Price is for one book, and the whole family. Call 734-769-3476 for questions and to register. Course teaches about the Michigan DNR Boating Course, USPS basic boating course, boat types, laws, required and optional equipment, marine radios, boating safety, course plotting, and free digital charts thru OpenCPN, GPS instructions, compass course, compass corrections. Graduates get the Michigan DNR and USPS certification, and boat insurance deductions from some insurance companies.

Michigan inland lake depth contour maps can be found at

https://www.michigan.gov/dnr/0,4570,7-350-79119_79146_81198_85509---,00.html

A Partial List of Events

| DATE | SPONSOR | EVENT AND LOCATION |
|---------|---------|-------------------------------------------------------------------------------------------|
| Oct. 22 | AASPS | General Meeting. Richard Buchanan will present Great Lakes Shipping Schedules |
| Nov. 19 | AASPS | General Meeting. Peggy Moller and Evrard Ohou will present 'The Car Ferries of Ludington' |

Canadian government Boating Laws <http://www.tc.gc.ca>